

Title (en)
Permanent magnet motor

Title (de)
Dauermagnetischer Motor

Title (fr)
Moteur électrique de type à aimants permanents

Publication
EP 1276204 A3 20040616 (EN)

Application
EP 02015521 A 20020710

Priority
JP 2001208877 A 20010710

Abstract (en)
[origin: EP1276204A2] Each permanent magnet formed in an open-letter shape is divided into a plurality of parts, the divided magnets are respectively fitted in open letter-shaped inserting portions, and ribs are respectively provided in dividing portions of the permanent magnets. Accordingly, it is possible to prevent the breakage of pole connecting portions at an outermost periphery of the rotor as adjacent inner peripheral-side permanent magnets directly come into contact with and push the outer peripheral-side permanent magnets. Alternatively, an annular nonmagnetic material is provided on an outer peripheral portion of the rotor so as to cover the open letter-shaped permanent magnets and magnetic material portions inside the open-letter portions, whereby the rotor core is made resistant against breakage, and the flux leakage is minimized. <IMAGE>

IPC 1-7
H02K 1/27

IPC 8 full level
H02K 1/22 (2006.01); **H02K 1/27** (2006.01); **H02K 21/16** (2006.01)

CPC (source: EP US)
H02K 1/2766 (2013.01 - EP US)

Citation (search report)

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